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23850 7590 04/27/2010

KRATZ, OUINTOS & HANSON, LLP 1420 K Street, N.W. 4th Floor

COLLOIDAL DISPERSION, AND CONDUCTIVE SILVER FILM

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(Signature) (Date

APPLICATION NO. FILING DATE FIRST NAMED INVENTOR ATTORNEY DOCKET NO. CONFIRMATION NO. 10/553,240 10/14/2005 Kenii Kato 050638 1081 TITLE OF INVENTION: PROCESS FOR PRODUCING FINE SILVER PARTICLE COLLOIDAL DISPERSION, FINE SILVER PARTICLE

APPLN. TYPE SMALL ENTITY ISSUE FEE DUE PUBLICATION FEE DUE PREV. PAID ISSUE FEE TOTAL FEE(S) DUE DATE DUE nonprovisional NO \$1510 \$300 \$0 \$1810 07/27/2010 EXAMINER ART UNIT CLASS-SUBCLASS 97/22/2018 LHGUYEN2 98989952 912349 10553240

METZMAIER, DANIEL S 1796 516-097000 01 FC:1501 1510.08 DA 2. For printing on the patent front page 1889 (1) the names of up to 3 registered patent attorneys or agents OR, alternatively, Change of correspondence address or indication of "Fee Address" (37 CFR 1.363). אע שש.ששנ RRATZ. QUINTOS

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(2) the name of a single firm (having as a member a registered attorney or agent) and the names of up to 2 registered patent attorneys or agents. If no name is listed, no name will be printed. ☐ "Fee Address" indication (or "Fee Address" Indication form PTO/SB/47; Rev 03-02 or more recent) attached. Use of a Customer Number Is required.

2 HANSON, LLP

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(A) NAME OF ASSIGNEE (B) RESIDENCE: (CITY and STATE OR COUNTRY) SUMITOMO METAL MINING CO., LTD.

TOKYO, JAPAN Please check the appropriate assignee category or categories (will not be printed on the patent) : 🔲 Individual 🔀 Corporation or other private group entity 🚨 Government

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Date July 21, 2010 Authorized Signature Registration No. 42,573 Typed or printed mainc <u>Daniel A. Geselowitz</u> Ph.D.

This collection of information is required by 37 CFR 1.311. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentially is governed by 35 U.S.C. 122 and 37 CFR 1.41. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and within form and/or suggestions for recluding gathering, preparing, and within form and/or suggestions for recluding gathering, preparing, and within form and/or suggestions for recluding this burden, should be sent to the Chrief Information Officer, U.S. Postarding Office, U.S. Department of Commerce, P.O. Box 1450, Alexandrin, Virginia 2231-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandrin, Virginia 2231-1450.

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FILING DATE

10/14/2005

COLLOIDAL DISPERSION, AND CONDUCTIVE SILVER FILM

04/27/2010

23850 7590

APPLICATION NO.

10/553 240

KRATZ, QUINTOS & HANSON, LLP

1420 K Street, N.W. 4th Floor

WASHINGTON, DC 20005



TITLE OF INVENTION: PROCESS FOR PRODUCING FINE SILVER PARTICLE COLLOIDAL DISPERSION, FINE SILVER PARTICLE

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nonprovisional	NO	\$1510	\$300	\$0	\$1810	07/27/2010	
EXAMINER		ART UNIT	CLASS-SUBCLASS				
METZMAIER, DANIEL S		1796	516-097000	•			
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FIRST NAMED INVENTOR

Kenji Kate

3. ASSIGNEE NAME AND RESIDENCE DATA TO BE PRINTED ON THE PATENT (print or type)

PLEASE NOTE: Unless an assignee is identified below, no assignee data will appear on the patent. If an assignee is identified below, the document has been filed for recordation as set forth in 37 CFR 3.11. Completion of this form is NOT a substitute for filing an assignment.

(A) NAME OF ASSIGNEE (B) RESIDENCE: (CITY and STATE OR COUNTRY)

SUMITOMO METAL MINING CO., LTD. TOKYO, JAPAN

Please check the appropriate assignee category or categories (will not be printed on the patent) : 🔲 Individual 🛣 Corporation or other private group entity 🚨 Government 4b. Payment of Fec(s): (Please first reapply any previously paid issue fee shown above)

4a. The following fee(s) are submitted: XX Issue Fee A check is enclosed.

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Date July 21, 2010 Authorized Signature

Registration No. 42.573 , Ph.D. Typed or printed maine Daniel A. Geselowitz

This collection of information is required by 37 CFR 1.311. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentially is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and adminiting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete application of the individual case. Any comments on the amount of time you require to complete applications of the amount of time you require to complete applications of the amount of time you require to complete applications of the amount of time you require to complete applications of the amount of time you can be applied to the amount of time you can be applied to the amount of time you can be applied to the amount of time you can be applied to the amount of time you can be applied to the amount of time you can be applied to the amount of time you can be applied to the amount of time you can be applied to the amount of time you can be applied to the amount of time you can be applied to the amount of time you can be applied to the amount of time you can be applied to the amount of time you can be applied to the amount of time you can be applied to the amount of time you can be applied to the amount of time you can be applied to the amount of time you can be applied to the amount of time you can be applied to the amount of the your can be applied to the amount of time you can be applied to the amount of the your can be applied to the amount of the your can be applied to the amount of the your can be applied to the amount of the your can be applied to the yo

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